WHAT IS CLAIMED IS:

are obtained from a skin cell.

	1.	A method for detecting whether a tissue is undergoing senescence,
said method co	omprisi	ng the step of detecting the overexpression or the underexpression
of a senescenc	e-assoc	iated molecule of interest according to Table 1 in a subject, wherein
overexpression	n or und	derexpression of said molecule is indicative of senescence.
	2.	The method of claim 1, wherein overexpression of said molecule is
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maicanve of s	enescen	ice, and wherein said molecule is overexpressed in said tissue.
	3.	The method of claim 1, wherein underexpression of said molecule
is indicative of	f senesc	ence, and wherein said molecule is underexpressed in said tissue.
	4.	The method of claim 1, said method comprising detecting an
mRNA encodi	ng said	senescence-associated molecule.
	5.	The method of claim 1, said method comprising detecting said
senescence-ass	sociated	I molecule in an immunoassay.
		,
	6.	The method of claim 1, wherein said tissue of interest is the skin.
	7.	A method for identifying a modulator of senescence, said method
comprising the	e steps o	
1 0	-	turing a cell in the presence of said modulator to form a first cell
culture;		
,	(b) con	stacting RNA or cDNA from said first cell culture with a probe
which compris		lynucleotide sequence that encodes a senescence-associated protein
•	-	up consisting of the sequences set forth in Table 1;
	-	ermining whether the amount of said probe which hybridizes to the
RNA or cDNA		aid first cell culture is increased or decreased relative to the amount
of the probe w	hich hy	bridizes to RNA or cDNA from a second cell culture grown in the
absence of said		-
		ecting the presence or absence of an increased proliferative potential
in said first cel		e relative to said second cell culture.
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	8.	The method of claim 7, wherein said first and second cell cultures

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molecule is inhibited using an antisense polynucleotide.

1	9. A method for identifying a modulator of a young cell, said method
2	comprising the steps of:
3	(a) culturing the cell in the presence of the modulator to form a first cell
4	culture;
5	(b) contacting RNA from the first cell culture with a probe which
6	comprises a polynucleotide sequence associated with senescence, wherein the sequence is
7	selected from the group consisting of sequences set out in Table 1;
8	(c) determining whether the amount of said probe which hybridizes to the
9	RNA from said first cell culture is increased or decrease relative to the amount of said
10	probe which hybridizes to RNA from a second cell culture grown in the absence of said
11	modulator; and,
12	(d) detecting the presence of an increased proliferative potential in the first
13	cell culture relative to the second cell culture.
1	10. The method of claim 9, wherein said first and second cell cultures
2	are obtained from a skin cell.
2	are obtained from a skin con.
1	11. A method for inhibiting cell senescence, said method comprising
2	the step of introducing into a cell a senescence-associated molecule according to Table 1,
3	wherein underexpression of said senescence-associated molecule is indicative of
4	senescence.
1	12. The method of claim 11, wherein said senescence-associated
2	molecule is a nucleic acid encoding a senescence-associated protein.
2	indicetile is a nucleic acit checking a senescence associated protein.
1	13. The method of claim 11, wherein said senescence-associated
2	molecule is a protein.
	14 A waste of Cominciplifying call generating and method comprising
1	14. A method for inhibiting cell senescence, said method comprising
2	the step of inhibiting in a cell a senescence-associated molecule according to Table 1,
3	wherein overexpression of said senescence-associated molecule is indicative of
4	senescence.

The method of claim 14, wherein said senescence-associated

1	16. The method of claim 14, wherein said senescence-associated		
2	molecule is inhibited using an antibody that specifically binds to the senescence-		
3	associated protein.		
1	17. A method for inhibiting cell senescence in a patient in need thereof,		
2	said method comprising the step of administering to the patient a compound that		
3	modulates the senescence of a cell.		
1	18. A kit for detecting whether a skin cell is undergoing senescence,		
2	said kit comprising:		
3	(a) a probe which comprises a polynucleotide sequence according to Table		
4	1, associated with skin aging; and		
5	(b) a label for detecting the presence of said probe.		
1	19. A cosmetic composition for inhibiting skin cell aging in a patient,		
2	said cosmetic composition comprising a compound that modulates the senescence of a		
3	cell		
1	20. The cosmetic composition of claim 19, wherein said composition is		
2	in a form selected from the group consisting of gels, ointments, creams, emollients,		
3	lotions, powders, solutions, suspensions, sprays, pastes, oils, and foams.		